Amendments to the Claims:

Please amend the claims as follows:

1. (Currently amended) An electromagnetically driven valve ~~(10) which includes a drive valve (14) that is provided with a valve stem (12) and that reciprocates in a direction in which the valve stem (12) extends, and~~ which operates by using both an electromagnetic force and an elastic force, ~~characterized by further~~ comprising:

a drive valve that is provided with a valve stem and that reciprocates in a direction in which the valve stem extends;

a first oscillating member ~~(21)~~ and a second oscillating member ~~(31)~~ each of which can oscillate by using a predetermined point in a base member ~~(51)~~ as a supporting point, each of which is movably connected to the valve stem ~~(12)~~ at a first end ~~(22, 32)~~ and is movably supported by the base member ~~(51)~~ at a second end ~~(23, 33)~~, and which are provided at a predetermined distance from each other;

an electromagnet ~~(60)~~ which includes a coil ~~(62)~~, and which is provided between the first oscillating member ~~(21)~~ and the second oscillating member ~~(31)~~; and

a detection portion ~~(501)~~ which detects a position of at least one of the drive valve ~~(14)~~, the first oscillating member ~~(21)~~, and the second oscillating member ~~(31)~~, wherein

the electromagnetic force is applied to the first oscillating member ~~(21)~~ and the second oscillating member ~~(31)~~ when an electric current passes through the coil ~~(62)~~, and

an amount of electric current that passes through the coil ~~(62)~~ is determined based on the position detected by the detection portion ~~(501)~~.

2. (Currently amended) The electromagnetically driven valve according to claim 1, ~~characterized in that~~ wherein

a cross-sectional area of a portion in the drive valve ~~(14)~~ continuously changes in the direction in which the valve stem ~~(12)~~ extends, and the detection portion ~~(501)~~ detects the position of the drive valve ~~(14)~~ based on a position in the portion whose cross-sectional area continuously changes.

3. (Currently amended) The electromagnetically driven valve according to claim 2, ~~characterized in that~~ wherein

a cross-section of the portion in the drive valve ~~(14)~~, whose cross-sectional area continuously changes, is rectangular, and the cross-sectional area changes linearly in an axial direction of the valve stem ~~(12)~~.

4. (Currently amended) The electromagnetically driven valve according to claim 2, ~~characterized in that~~ wherein

a cross-section of the portion in the drive valve ~~(14)~~, whose cross-sectional area continuously changes, is circular, and the cross-sectional area changes linearly in an axial direction of the valve stem ~~(12)~~.

5. (Currently amended) The electromagnetically driven valve according to claim 1, ~~characterized in that~~ wherein

the detection portion ~~(501)~~ detects a deviation of the drive valve ~~(14)~~ from a reference axis.

6. (Currently amended) The electromagnetically driven valve according to claim 5, ~~characterized in that~~ wherein

paired detection portions ~~(501)~~ are provided with the valve stem ~~(12)~~ interposed between the paired detection portions ~~(501)~~ in a direction perpendicular to an axial direction of the valve stem ~~(12)~~.

7. (Currently amended) The electromagnetically driven valve according to claim 1, ~~characterized in that~~ wherein

the detection portion ~~(501)~~ is provided at an upper end portion of the drive valve ~~(14)~~.

8. (Currently amended) The electromagnetically driven valve according to claim 1, ~~characterized in that~~ wherein

the detection portion ~~(501)~~ is provided in the base member ~~(51)~~ so as to face at least one of the first oscillating member ~~(21)~~ and the second oscillating member ~~(31)~~.

9. (Currently amended) The electromagnetically driven valve according to claim 1, ~~characterized in that~~ wherein,

if a direction in which the electric current passes through the coil ~~(62)~~ is reversed in a state where one of the first oscillating member ~~(21)~~ and the second oscillating member ~~(31)~~ has been attracted to the electromagnet ~~(60)~~, the electromagnetic force is applied to the one of the first oscillating member ~~(21)~~ and the second oscillating member ~~(31)~~, which has been attracted to the electromagnet ~~(60)~~, in a direction in which the one of the first oscillating member ~~(21)~~ and the second oscillating member ~~(31)~~ moves away from the electromagnet ~~(60)~~.